

Material Safety Data Sheet (MSDS)

Product Name: Di Sodium Phosphate Anhydrous USP Grade

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd

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1. Identification of the Substance/Preparation and Company

- **Product Name:** Di Sodium Phosphate Anhydrous USP Grade
- **Synonyms:** Disodium Hydrogen Phosphate Anhydrous, Sodium Phosphate Dibasic
- **CAS Number:** 7558-79-4
- **Molecular Formula:** Na_2HPO_4
- **Molecular Weight:** 141.96 g/mol
- **Recommended Use:** Pharmaceutical excipient, food additive, buffering agent, laboratory reagent

2. Hazard Identification

- **Classification:** Not classified as hazardous according to GHS
- **Label Elements:** Not required
- **Hazard Description:**
 - May cause mild irritation to eyes and skin
 - Dust may cause irritation to the respiratory tract
 - Ingestion of large quantities may cause gastrointestinal discomfort

3. Composition / Information on Ingredients

Di Sodium Phosphate Anhydrous USP Grade contains Di Sodium Phosphate Anhydrous (CAS No. 7558-79-4) as the sole component. The product has a typical purity of not less than 99.0%, complying with USP specifications, and contains no hazardous impurities in reportable concentrations.

4. First Aid Measures

- **Inhalation:** Remove to fresh air. Seek medical attention if symptoms persist
- **Skin Contact:** Wash thoroughly with soap and water
- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes
- **Ingestion:** Rinse mouth with water. Do not induce vomiting. Get medical advice if discomfort occurs

5. Fire Fighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical powder, carbon dioxide, foam
- **Specific Hazards:** Product is non-flammable
- **Protective Equipment:** Use standard fire-fighting protective equipment

6. Accidental Release Measures

- Avoid formation of dust
- Collect spilled material using dry methods
- Place in suitable containers for disposal
- Wash spill area with water after cleanup

7. Handling and Storage

- **Handling:** Avoid inhalation of dust and contact with eyes
- **Storage:** Store in a cool, dry, well-ventilated area
- **Incompatible Materials:** Strong acids

8. Exposure Controls / Personal Protection

- **Engineering Controls:** Adequate general ventilation
 - **Personal Protective Equipment:**
 - Safety goggles
 - Protective gloves
 - Dust mask or respirator if dust is generated
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9. Physical and Chemical Properties

- **Appearance:** White crystalline powder
 - **Odour:** Odourless
 - **pH (1% aqueous solution):** 8.5 – 9.6
 - **Solubility:** Freely soluble in water
 - **Melting Point:** Approximately 250°C (decomposes)
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10. Stability and Reactivity

- **Chemical Stability:** Stable under normal conditions
 - **Reactivity:** No hazardous reactions under normal use
 - **Conditions to Avoid:** Moisture and excessive heat
 - **Hazardous Decomposition Products:** Sodium oxides and phosphorus oxides
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11. Toxicological Information

- **Acute Toxicity:** Low toxicity
 - **Skin Irritation:** Prolonged contact may cause mild irritation
 - **Eye Irritation:** May cause irritation
 - **Carcinogenicity:** Not listed by IARC, NTP, or OSHA
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12. Ecological Information

- Not expected to be harmful to the environment
 - Avoid large-scale release into water systems
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13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations
- Material may be disposed of as non-hazardous chemical waste

14. Transport Information (Detailed)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not applicable
- **Transport Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable

Transport Regulations:

- **ADR / RID (Road & Rail):** Not regulated
- **IMDG (Sea Transport):** Not regulated
- **IATA (Air Transport):** Not regulated

Special Transport Precautions:

- Ensure containers are tightly closed and properly labeled
- Protect packages from moisture and physical damage
- Transport in clean, dry vehicles
- Do not transport together with strong acids

Environmental Hazards:

- Not a marine pollutant

15. Regulatory Information

- Product complies with **USP standards**
- Not classified as hazardous under GHS regulations
- Approved for pharmaceutical and food-related applications as per applicable regulations

16. Other Information

- Information provided is based on available data and is believed to be accurate
- This MSDS does not constitute a guarantee of product properties

- Users must ensure safe handling and compliance with applicable laws
- **MSDS Generate Date:** 20-05-2017
- **Revision Date:** 30-12-2024
- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.